

1/1 WPAT

Title Liquid hydrocarbon composition for lubricant basestocks

Patent Data

Patent Family

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Abstract

Basic Abstract

WO1999020720 A NOVELTY: Uses paraffinic hydrocarbons with defined amounts and proximity of branching to provide low temperature viscometric properties.

DESCRIPTION: Liquid hydrocarbon composition comprises paraffinic hydrocarbons in which the extent of branching, as measured by the percentage of methyl hydrogens (BI), and the proximity of branching, as measured by the percentage of recurring methylene carbons which are 4 or more removed from an end group or branch (CH₂ more than 4), are such that: (a) BI - 0.5(CH₂ more than 4) is more than 15 and (b) BI + 0.85(CH₂ more than 4) is less than 15. INDEPENDENT CLAIMS are included for: (a) a lubricant basestock composition comprising the paraffinic hydrocarbons; and (b) a lubricating oil composition comprising the paraffinic hydrocarbons and optionally additives selected from antioxidants, antiwear additives, extreme pressure additives, friction modifiers, viscosity index improvers, pour point depressants, detergents, dispersants, corrosion inhibitors, metal deactivators, seal compatability additives, demulsifiers and/or antifoam additives.

USE: For use in lubricant basestocks and in lubricating oil compositions.

ADVANTAGE: Provides enhanced low temperature viscometric properties.

Patentee, Inventor

Patent assignee (ESSO) EXXON MOBIL OIL CORP (ESSO) EXXONMOBIL OIL CORP (MOBI) MOBIL OIL CORP

Inventor(s) FORBUS TR; JIANG Z; PARTRIDGE RD; SCHRAMM SE; TREWELLA JC; FORBUS T

IPC

C07C-009/16; C10M-000/00; C10M-101/02; C10M-143/08; C10N-020/00; C10N-030/08; C10N-040/25; C10L-001/16; C10L-003/12; C07C-009/22; C10G-045/64; C10M-105/04; C10M-127/02; C10N-020/00; C07C-009/00; C10G-045/58; C10M-101/00; C10M-105/00; C10M-127/00; C10L-001/10; C10L-003/00; C10M-143/00

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Others...

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ICAA

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ICCA

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Designated states

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